

# STS-95 crew, station team to receive awards

FOR THE FIRST TIME a single organization – NASA – will lay claim to two of the space industry’s top awards in the same year. The Douglas Morrow Public Outreach Award and the United States Space Foundation Space Achievement Award will be presented to separate NASA teams April 5 during ceremonies marking the opening of the 15th National Space Symposium.

Each year the Morrow Award is presented to an individual, organization or team judged to have made the single most significant contribution to public understanding and awareness of U.S. space endeavors – civil, commercial or national security. This year’s recipient is the crew of shuttle mission STS-95.

The return to flight of space pioneer Sen. John Glenn (D-Ohio), Spain’s first astronaut Pedro Duque and a number of unique mission elements combined to focus the most significant worldwide media and public attention on space in recent memory.

The United States Space Foundation Space Achievement Award, presented annually to an individual, team or organization for lifetime achievement or a landmark technical accomplishment, will go to the NASA-Boeing International Space Station team.

The joining together in space of the first orbital station elements signaled the beginning of a new era in human space flight and the culmination of more than a decade of challenging engineering effort on the ground.

Widely regarded as one of the premier annual space policy and programs forums anywhere in the world, the National Space Symposium runs April 5-8. Update speaker and program information, and convenient on-line registration can be found at <http://www.spacesymposium.org> or call the Space Foundation toll free at (800) 691-4000. ■

# Employees earn Space Act Awards

LAST YEAR, NASA Headquarters recognized the work of a number of JSC employees with Space Act monetary awards. The awards were presented during a recent ceremony. The following is a list of recipients.

## TECH BRIEF AWARDS (\$150)

- Robert O. Shelton*
- ◆ Pattern Interpretation and Recognition Application Toolkit Environment
  - ◆ Internet Knowledge Robot
  - ◆ SIMON-School Internet Manager Over Networks

- Robert L. Shuler Jr.*
- ◆ High Speed Binary Image Correlator
  - ◆ SEV Tolerant Flip Flops
  - ◆ Optimized LaPlacian of Gaussian Computation

- George A. Salazar*  
*Dena S. Haynes*
- ◆ Compact Enclosure for Ruggedized PC-Based Embedded Systems

- G. Dickey Arndt*
- ◆ Locating Concealed Objects Using Spectral Signatures

- Thomas J. Goodwin*
- ◆ Production of 1-25diOH Vitamin D3, Erythropoietin and Other Products

- Richard L. Sauer*
- ◆ Solid Phase Extraction of Polar Compounds in Water

- William C. Schneider*  
*Chin H. Lin*  
*Horacio M. De La Fuente*  
*Gregg A. Edeen*  
*James D. Lester*  
*Linda F. Hess*  
*Kriss J. Kennedy*  
*Richard H. Malecki*
- ◆ Advanced Structural/Inflatable Hybrid Spacecraft Habitation Module

- Duane L. Pierson*
- ◆ Nucleic Acid Stability Solution
  - ◆ Low Voltage Plate Spreader
  - ◆ Fungal Growth Chamber

- Dennis R. Morrison*
- ◆ In Situ Activation of Microcapsules
  - ◆ Protein Crystal Encapsulation Process
  - ◆ Microencapsulation and Electrostatic Processing Device
  - ◆ Low-Shear Microencapsulation & Electrostatic Coating Process
  - ◆ Externally Triggered Microcapsules

- Robert G. Brown*  
*Yuan-Chyau Chang*  
*Steven L. Rickman*
- ◆ Passive Radiative Cooler for Space Applications

- Thomas A. Sullivan*
- ◆ Fuels Containing Methane or Natural Gas in Solution and Methods for their Use

- Joseph J. Kosmo Jr.*
- ◆ Simulated Planetary Landscapes for use in Laboratories

- Gautam D. Badhwar*
- ◆ Small Active Radiation Monitor

- Daniel Feeback*
- ◆ Centrifuge-Operated Slide Staining Technology

- Jeanne L. Crews*  
*Eric L. Christiansen*
- ◆ Technique for Enhancing the Protection Capability of Simple Aluminum Meteoroid/Orbital Shield

## PATENT APPLICATION AWARDS (\$250)

- Duane L. Pierson*
- ◆ Neutrophil Screening Assay Using Two Color Flow Cytometry

- Richard L. Sauer*
- ◆ Ammonia Monitor

- Carl W. Hohmann*  
*Maureen L. Dutton*  
*Douglas W. Harrington*
- ◆ Automated Propellant Blending

- G. Dickey Arndt*
- ◆ Proximate Object Locating and Tracking System

- Dennis R. Morrison*
- ◆ In Situ Activation of Microcapsules
  - ◆ Microencapsulated Bioactive Agents
  - ◆ Microencapsulation and Electrostatic Processing Device
  - ◆ Microencapsulation and Electrostatic Processing Method
  - ◆ Externally Triggered Microcapsules

- G. Dickey Arndt*  
*Patrick W. Fink*
- ◆ Endothelium Preserving Microwave Treatment for Atherosclerosis

- Thomas J. Goodwin*
- ◆ Production of Functional Proteins: Balance of Shear Stress and Gravity

## SPACE ACT BOARD AWARDS

- Kelley J. Cyr*  
*Richard D. Whitlock*
- ◆ Online Cost Models (\$1,000)

- Anthony D. Griffith*  
*Huyen-Anh V. Ly*
- ◆ High Volume Data Management (\$500)

- Craig A. Davidson*
- ◆ Ground Isolation Circuit for Isolating a Transmission Line from Ground Interference (\$500)

## HONORABLE MENTION – SOFTWARE OF THE YEAR AWARD

- Reynaldo J. Gomez*
- ◆ Overset Tools for CFD Analysis (\$600)



JSC Photo S99-02949 by Benny Benavides

# Women conquering the future

By Carla Burnett

THE PROMINENT WOMEN pictured at left are proud to be part of NASA’s history. They are among the 67 women who have completed JSC’s Office Education Program, also known as the Student Programs for Achievements in Careers and Education, and/or the Worker-Trainee Opportunity Program.

Desire and perseverance were contributing factors in helping these women successfully complete these critical foundation programs. According to SPACE experts Nancy Garrick of JSC and Barbara Rumbaugh of Universities Space Research Association, “SPACE provides clerical job opportunities for youths from communities surrounding JSC. Students work at JSC part-time during vacation periods and full-time in the summer. The selection criteria include TAAS scores, grade point averages, attendance, basic office skills, and economic need. This USRA-administered program affords the students valuable life and work experience along with economic support to stay in school and graduate.”

According to Garrick, “The WTO Program is a one-year training program designed to provide low-skilled clerical employees with the opportunity to become productive office clerks through classroom and on-the-job training. Historically, this program

has served as the primary avenue for retaining our higher quality OE students. The last class of students graduated in 1994.”

Many former OE and WTO women have successfully pursued educational and promotional opportunities after completing these outstanding programs.

“I was very fortunate to take part in the Office Education Program,” says Karla Smith. “In my job as a transportation specialist, I am responsible for coordinating travel to Russia for NASA civil servants and contractor employees needing to support training activities, meetings, reviews, and tests in Moscow and/or Star City, Russia. As a result of the Office Education Program, I have become more confident in myself, which is saying a great deal for someone who was extremely shy. Without this program, I would not be where I am today. I am very thankful to have taken part in such a wonderful program.”

Mirella Barron shares some of her accomplishments since completing the OE and WTO programs. “My first day at JSC was June 18, 1990, and I was assigned as a summer aid to the Aircraft Systems Quality Assurance Branch. I continued as an OE student and then completed the WTO Program. These programs gave me the motivation and the skills to grow within our NASA environment. I received the Space Flight Awareness Award in May 1996 and the Marilyn Bocking Award in July 1997.”

We salute all the prominent and prestigious women of JSC and encourage them to continue conquering the future for centuries to come. ■